



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER
EXAMINATION FOR THE DEGREES OF
BACHELOR OF SCIENCE AND BED SCIENCE**

COURSE CODE: ZOO 2108

COURSE TITLE: INVERTEBRATE ZOOLOGY

DATE: 11TH DECEMBER, 2019

TIME: 1100-1300HRS

INSTRUCTIONS TO CANDIDATES

- (a) Answer ANY TEN Questions (7 marks each)**
- (b) Illustrate your answers with well labeled diagrams where appropriate**

Answer ANY TEN Questions (7 marks each)

1. Describe the metazoan symmetry. (7mks)
2. Discuss reproduction and regeneration among sponges. (7mks)
3. Describe the histology and physiology of *Hydra* (7mks)
4. Outline the anatomy of the digestive system in a ctenophore. (7mks)
5. Outline the structure of a generalised trematode. (7mks)
6. Give a brief account of reproduction in *Aphelenchoides*. (7mks)
7. Describe the various forms of parasitism among the nematodes. (7mks)
8. Give an account of circulation among polychaetes. (7mks)
9. Describe locomotion and adaptive diversity in cephalopods. (7mks)
- 10 Describe the arthropod body segment. (7mks)
11. Describe the stinging apparatus and venom of scorpions. (7mks)
12. Explain the external morphology of a tromphodiform mite. (7mks)
13. Give an account of the characteristics of the sub class copepod. (7mks)
14. Describe gas exchange among the crustaceans. (7mks)
15. Discuss the characteristics of chromatophore among crustaceans. (7mks)

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